

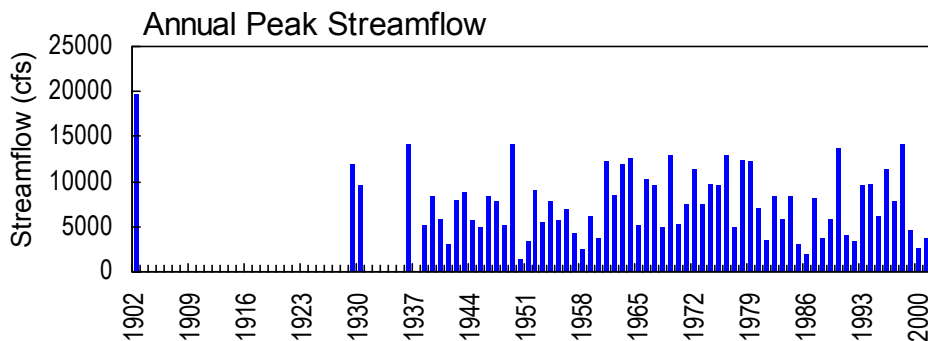
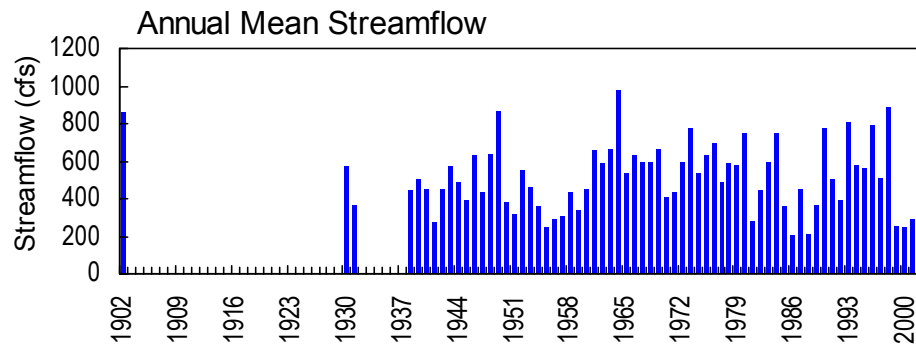
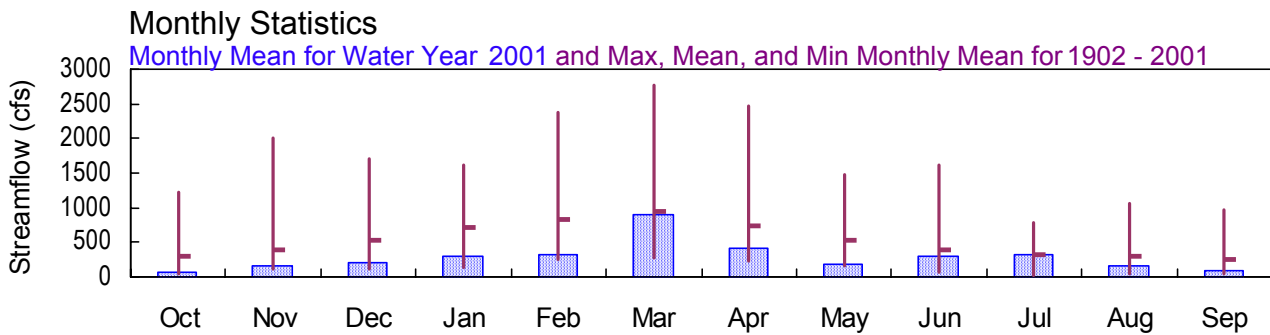
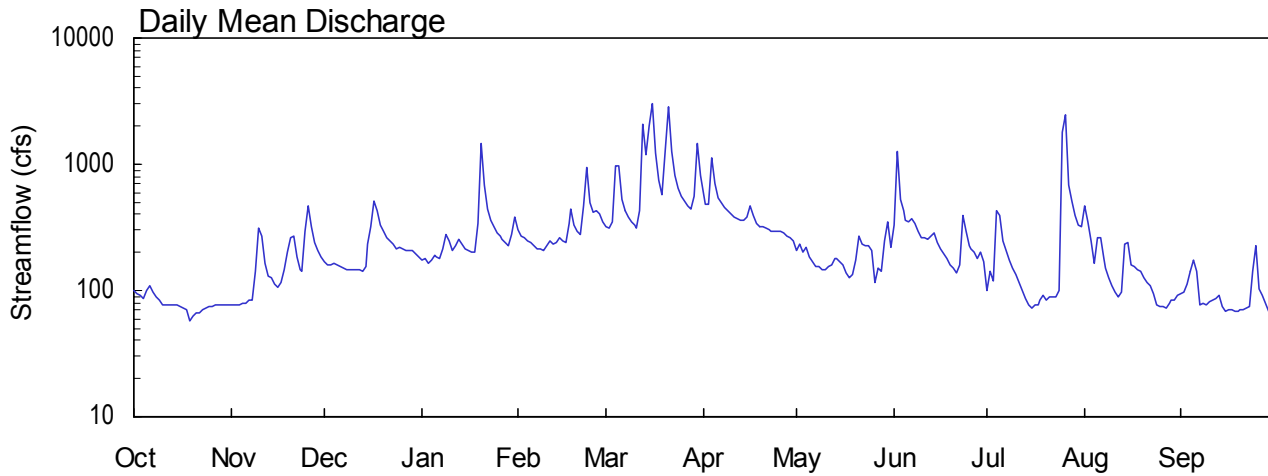


ALTAMAHA RIVER BASIN

2001 Water Year

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA

Latitude: 33° 56' 48" Longitude: 83° 25' 22" Hydrologic Unit Code: 03070101 Clarke County
Drainage Area: 392 mi² Datum: 555.7 feet Period of Record: 1902 - 2001



02217500 - Middle Oconee River near Athens, GA - March 12, 1973

ALTAMAHA RIVER BASIN
2001 Water Year

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA

LOCATION.-Lat 33°56'58", long 83°25'43", Clarke County, Hydrologic Unit 03070101, on left bank 0.5 miles upstream from US Highway 78 and US Highway 29 Business, 2.0 miles west of Athens, and 5.0 miles upstream from Barber Creek.

DRAINAGE AREA.-398 mi².

COOPERATION.—Upper Oconee Water Authority.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.-October 1901 to September 1902, January 1929 to March 1932, May 1937 to current year.

REVISED RECORDS.-WDR GA-95-1: Drainage area.

GAGE.-Satellite telemetry with a water-stage recorder. Datum of gage is 555.66 feet above sea level. From October 11, 1901 to October 25, 1902, a non-recording gage was located at site 1.0 mile upstream at different datum. From January 16, 1929 to March 15, 1932, and from April 29, 1937 to September 30, 1940, a water-stage recorder was located at a site 4.0 miles downstream at different datum.

REMARKS.-Records good, except periods of estimated discharge which are fair.

PEAK DISCHARGES FOR CURRENT YEAR.- Peak discharges greater than base discharge of 3,800 ft³/s and maximum (*):

DATE	TIME	DISCHARGE (ft ³ /s)	GAGE-HEIGHT (ft)
Mar. 16	0745	3,720*	9.00*
No other peak greater than base discharge			

**ALTAMAHA RIVER BASIN
2001 Water Year**

02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA—continued.

WATER-STAGE RECORDS

PERIOD OF RECORD.—October 1901 to September 1902, January 1929 to March 1932, May 1937 to current year.

REVISED RECORDS.—WDR GA-95-1: Drainage area.

GAGE.—Satellite telemetry with a water-stage recorder. Datum of gage is 555.66 feet above sea level. From October 11, 1901 to October 25, 1902, a non-recording gage was located at site 1.0 mile upstream at different datum. From January 16, 1929 to March 15, 1932, and from April 29, 1937 to September 30, 1940, a water-stage recorder was located at a site 4.0 miles downstream at different datum.

REMARKS.—Records good.

EXTREMES FOR CURRENT YEAR.— Maximum gage-height recorded, 9.00 feet, March 16; minimum gage-height recorded, 0.76 feet, October 19.

PRECIPITATION RECORD

PERIOD OF RECORD.— March 2, 2001 to September 30, 2001

GAGE.—Tipping-bucket rain gage.

REMARKS.—Records fair.

STATION NUMBER 02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA STREAM SOURCE AGENCY USGS
 LATITUDE 335648 LONGITUDE 0832522 DRAINAGE AREA 392.00 DATUM 555.66 STATE 13 COUNTY 059

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	76	170	174	306	321	579	205	329	101	471	93
2	93	76	160	181	272	311	486	231	1260	142	349	96
3	91	76	159	166	263	347	485	200	531	120	249	113
4	87	77	166	175	245	958	1120	e219	424	427	162	142
5	99	79	161	191	238	975	695	e185	365	388	261	175
6	108	80	154	185	226	522	541	e170	349	246	263	143
7	96	83	150	178	215	424	492	e156	369	205	179	78
8	89	85	147	212	213	380	457	157	336	173	151	79
9	85	141	145	279	209	347	429	147	291	149	128	e78
10	78	308	145	245	228	326	408	148	264	133	108	e82
11	76	268	145	209	247	309	387	156	263	116	97	e85
12	76	162	147	225	230	426	373	159	254	99	90	e87
13	76	131	140	251	240	2070	362	177	268	86	96	91
14	76	126	155	234	260	1190	358	179	282	76	232	74
15	76	114	230	215	244	2020	377	170	240	72	239	68
16	74	105	322	209	240	3060	475	159	213	77	161	70
17	73	117	517	201	343	1240	395	139	195	77	157	70
18	71	148	430	200	443	746	338	126	177	85	146	69
19	58	203	334	345	333	574	323	134	161	92	140	69
20	62	263	294	1440	294	1280	319	174	149	e85	126	70
21	66	271	260	684	278	2870	311	269	138	88	115	70
22	67	182	250	442	468	1280	303	235	161	88	109	72
23	70	148	236	361	946	813	296	227	393	88	95	74
24	72	141	216	320	498	638	290	223	297	100	78	e140
25	74	292	218	289	418	557	296	207	228	1780	74	e228
26	75	473	215	266	434	508	297	116	211	2450	74	e103
27	76	319	209	251	404	470	282	149	201	e680	72	91
28	77	237	205	243	349	447	272	142	181	506	79	80
29	76	205	206	229	---	564	261	247	203	389	84	69
30	76	185	197	280	---	1460	250	353	170	335	85	68
31	76	---	184	382	---	816	---	221	---	325	92	---
TOTAL	2449	5171	6667	9262	9084	28249	12257	5780	8903	9778	4762	2827
MEAN	79.0	172	215	299	324	911	409	186	297	315	154	94.2
MAX	108	473	517	1440	946	3060	1120	353	1260	2450	471	228
MIN	58	76	140	166	209	309	250	116	138	72	72	68
CFSM	.20	.44	.55	.76	.83	2.32	1.04	.48	.76	.80	.39	.24
IN.	.23	.49	.63	.88	.86	2.68	1.16	.55	.84	.93	.45	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 2001, BY WATER YEAR (WY)

MEAN	308	403	535	717	831	946	738	538	403	330	300	244
MAX	1223	2002	1709	1624	2366	2779	2458	1475	1611	778	1056	978
(WY)	1996	1949	1984	1972	1902	1929	1964	1976	1963	1938	1994	1929
MIN	42.3	113	123	140	251	285	233	162	63.6	25.3	40.8	44.6
(WY)	1955	1956	1956	1956	1986	1988	1986	1988	1988	1986	1986	1999

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1902 - 2001

ANNUAL TOTAL	82336	105189	
ANNUAL MEAN	225	288	518
HIGHEST ANNUAL MEAN			977
LOWEST ANNUAL MEAN			202
HIGHEST DAILY MEAN	2020	Apr 3	3060
LOWEST DAILY MEAN	13	Jul 22	58
ANNUAL SEVEN-DAY MINIMUM	21	Jul 20	67
MAXIMUM PEAK FLOW			3720
MAXIMUM PEAK STAGE			9.00
ANNUAL RUNOFF (CFSM)	.57		.74
ANNUAL RUNOFF (INCHES)	7.81		9.98
10 PERCENT EXCEEDS	393		488
50 PERCENT EXCEEDS	162		205
90 PERCENT EXCEEDS	64		76

STATISTICS COMPUTED BY: tpojunas

DATE: 03/08/2002 AT: 10:30:28

e Estimated

STATION NUMBER 02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA STREAM SOURCE AGENCY USGS
 LATITUDE 335648 LONGITUDE 0832522 DRAINAGE AREA 392.00 DATUM 555.66 STATE 13 COUNTY 059

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.00	.89	1.24	1.21	1.54	1.57	2.15	1.29	1.59	.96	1.92	.95
2	.98	.89	1.21	1.23	1.46	1.55	1.96	1.37	3.54	1.11	1.63	.97
3	.96	.89	1.21	1.19	1.44	1.63	1.95	1.28	2.05	1.02	1.41	1.03
4	.95	.90	1.23	1.21	1.40	2.92	3.18	---	1.81	1.79	1.19	1.13
5	1.00	.91	1.21	1.26	1.38	2.91	2.37	---	1.67	1.73	1.43	1.23
6	1.04	.91	1.19	1.24	1.35	2.03	2.08	---	1.64	1.40	1.44	1.14
7	.99	.93	1.18	1.22	1.33	1.81	1.97	---	1.68	1.30	1.24	.88
8	.96	.94	1.17	1.32	1.32	1.70	1.89	1.16	1.61	1.21	1.16	.89
9	.94	1.13	1.16	1.48	1.31	1.63	1.82	1.13	1.50	1.13	1.09	---
10	.90	1.55	1.16	1.40	1.36	1.58	1.77	1.13	1.44	1.08	1.02	---
11	.89	1.46	1.16	1.31	1.41	1.54	1.72	1.16	1.44	1.02	.97	---
12	.89	1.21	1.17	1.35	1.36	1.80	1.69	1.16	1.42	.95	.94	---
13	.89	1.13	1.15	1.41	1.39	5.56	1.66	1.22	1.45	.89	.96	.95
14	.89	1.11	1.20	1.37	1.43	3.37	1.65	1.22	1.48	.84	1.37	.86
15	.89	1.06	1.38	1.33	1.40	5.38	1.70	1.20	1.39	.82	1.39	.83
16	.88	1.03	1.58	1.31	1.39	7.67	1.93	1.17	1.32	.85	1.19	.84
17	.87	1.07	2.02	1.29	1.62	3.42	1.74	1.10	1.27	.85	1.18	.84
18	.86	1.18	1.82	1.29	1.85	2.43	1.61	1.06	1.22	.88	1.15	.83
19	.79	1.31	1.60	1.63	1.60	2.08	1.58	1.08	1.17	.92	1.12	.83
20	.82	1.45	1.51	3.96	1.51	3.66	1.57	1.19	1.14	---	1.08	.84
21	.84	1.47	1.43	2.34	1.47	7.34	1.55	1.45	1.10	.90	1.05	.84
22	.85	1.27	1.41	1.85	1.90	3.52	1.53	1.38	1.17	.90	1.02	.85
23	.86	1.17	1.38	1.66	2.83	2.56	1.51	1.36	1.74	.90	.96	.86
24	.87	1.16	1.33	1.57	1.98	2.21	1.50	1.34	1.52	.95	.88	---
25	.88	1.51	1.33	1.50	1.80	2.04	1.52	1.30	1.36	4.83	.86	---
26	.88	1.92	1.33	1.45	1.83	1.93	1.52	1.02	1.32	6.40	.86	---
27	.89	1.57	1.31	1.41	1.76	1.84	1.48	1.13	1.29	---	.85	.94
28	.90	1.39	1.30	1.39	1.63	1.79	1.46	1.11	1.23	2.00	.89	.89
29	.89	1.32	1.30	1.36	---	2.04	1.44	1.40	1.29	1.72	.91	.84
30	.89	1.27	1.28	1.48	---	3.97	1.41	1.64	1.20	1.60	.92	.83
31	.89	---	1.24	1.71	---	2.59	---	1.33	---	1.58	.95	---
MEAN	.90	1.20	1.33	1.51	1.57	2.84	1.76	---	1.50	---	1.13	---
MAX	1.04	1.92	2.02	3.96	2.83	7.67	3.18	---	3.54	---	1.92	---
MIN	.79	.89	1.15	1.19	1.31	1.54	1.41	---	1.10	---	.85	---

STATION NUMBER 02217500 MIDDLE OCONEE RIVER NEAR ATHENS, GA STREAM SOURCE AGENCY USGS
 LATITUDE 335648 LONGITUDE 0832522 DRAINAGE AREA 392.00 DATUM 555.66 STATE 13 COUNTY 059

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.00	.00	.43	.00	.00	.01
2	---	---	---	---	---	---	.00	.00	.24	.00	.00	.08
3	---	---	---	---	---	.00	.70	.00	.25	.64	.00	.20
4	---	---	---	---	---	.00	.00	---	.27	.32	.01	.01
5	---	---	---	---	---	.00	.03	---	.26	.02	.00	.00
6	---	---	---	---	---	---	.00	---	.27	.00	.09	.00
7	---	---	---	---	---	.00	.00	---	.24	.00	.00	.00
8	---	---	---	---	---	.00	.00	.00	.17	.00	.00	.00
9	---	---	---	---	---	.00	.00	.00	.14	.01	.00	---
10	---	---	---	---	---	.00	.00	.10	.10	.00	.00	---
11	---	---	---	---	---	.00	.00	.00	.06	.00	.00	---
12	---	---	---	---	---	2.10	.00	.08	.73	.02	.00	---
13	---	---	---	---	---	.01	.19	.01	.01	.00	.06	---
14	---	---	---	---	---	.10	.00	.00	.07	.00	.00	.00
15	---	---	---	---	---	1.62	.73	.00	.05	.00	.00	.00
16	---	---	---	---	---	.00	.00	.00	.00	---	.00	.00
17	---	---	---	---	---	.00	.00	.00	.00	---	.02	.00
18	---	---	---	---	---	.00	.00	.00	---	---	.00	.00
19	---	---	---	---	---	.01	.00	.86	.00	---	.03	.00
20	---	---	---	---	---	1.65	.00	.16	.00	---	.00	.00
21	---	---	---	---	---	.02	.00	.00	.00	.00	.00	.00
22	---	---	---	---	---	.00	.00	.39	.74	.00	.00	.00
23	---	---	---	---	---	.00	.00	.00	.00	.00	.00	---
24	---	---	---	---	---	.00	.35	.01	.00	.53	.42	---
25	---	---	---	---	---	.00	.14	.13	.00	4.95	.00	---
26	---	---	---	---	---	.00	.00	.00	.00	.00	.00	---
27	---	---	---	---	---	.00	.00	.01	.62	---	.13	.00
28	---	---	---	---	---	.00	.00	.59	.00	.25	.01	.00
29	---	---	---	---	---	1.44	.00	.68	.00	.43	.01	.00
30	---	---	---	---	---	.00	.00	.00	.14	.00	.00	.00
31	---	---	---	---	---	.01	---	.16	---	.00	.18	---
TOTAL	---	---	---	---	---	---	2.14	---	---	---	0.96	---